

-2-

AMENDMENT TO THE CLAIMS

1. (currently amended) ~~A~~ vibrating type ice detector for providing a signal indicating ice formation, the ice detector comprising:

a longitudinally extending probe protruding into an airflow; and

excitation and sensing circuitry which vibrates the longitudinally extending probe and detects ice accretion by detecting changes in a natural frequency of vibration of the probe; and

a surface roughness feature on a surface of the probe, the surface roughness feature improving ice detection by lowering a static temperature of the probe at the surface roughness feature to accrete ice on the probe to thereby change the natural frequency of vibration of the probe.

2. (original) The ice detector of claim 1, wherein the surface roughness feature provides an ice accreting edge at a distal end of the probe.

3. (original) The ice detector of claim 2, wherein the probe is a substantially cylindrical probe.

4. (original) The ice detector of claim 2, wherein the surface roughness feature comprises a flat probe tip at the distal end of the probe providing the ice accreting edge.

5-22. (withdrawn)